

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (CURRENTLY AMENDED) An inbred tomato seed designated 294 wherein a sample of said seed has been deposited under ~~ATCC Accession~~ NCIMB No. _____.
2. (CURRENTLY AMENDED) A tomato plant, ~~or parts~~ or a part thereof, produced by growing the seed of claim 1.
3. (ORIGINAL) Pollen of the plant of claim 2.
4. (ORIGINAL) An ovule or ovules of the plant of claim 2.
5. (CURRENTLY AMENDED) A tomato plant, ~~or parts~~ or a part thereof, having all of the physiological and morphological characteristics of the tomato plant of claim 2.
6. (CANCELED)
7. (ORIGINAL) A tissue culture of regenerable cells of a tomato plant of claim 2.
8. (CURRENTLY AMENDED) The tissue culture of claim 7, selected from the group consisting of protoplast and calli, wherein the regenerable cells are derived from embryos, protoplasts, meristematic cells, callus, pollen, leaves, anthers, stems, petioles, roots, root tips, fruits, seeds, flowers, cotyledons, ~~hypocotyls~~ hypocotyls.
9. (CURRENTLY AMENDED) A tomato plant regenerated from the tissue culture of claim 7, capable of expressing all the morphological and physiological characteristics of inbred tomato line 294, representative seeds having been deposited under ~~ATCC~~ number NCIMB No. _____.
10. (ORIGINAL) A method for producing a hybrid tomato seed comprising crossing a first inbred parent tomato plant with a second inbred parent tomato plant and harvesting the resultant hybrid tomato seed, wherein said first or second parent tomato plant is the tomato plant of claim 2.

11 - 34. (CANCELED)

35. (PREVIOUSLY PRESENTED) A method of producing an herbicide resistant tomato plant comprising transforming the tomato plant of claim 2 with a transgene that confers herbicide resistance.

36. (PREVIOUSLY PRESENTED) An herbicide resistant tomato plant produced by the method of claim 35.

37. (PREVIOUSLY PRESENTED) A method of producing an insect resistant tomato plant comprising transforming the tomato plant of claim 2 with a transgene that confers insect resistance.

38. (PREVIOUSLY PRESENTED) An insect resistant tomato plant produced by the method of claim 37.

39. (PREVIOUSLY PRESENTED) A method of producing a disease resistant tomato plant comprising transforming the tomato plant of claim 2 with a transgene that confers resistance to bacterial, fungal or viral disease.

40. (PREVIOUSLY PRESENTED) A disease resistant tomato plant produced by the method of claim 39.

41. (PREVIOUSLY PRESENTED) A method of producing a male sterile tomato plant, comprising transforming the tomato plant of claim 2 with a transgene that confers male sterility.

42. (PREVIOUSLY PRESENTED) A male sterile tomato plant produced by the method of claim 41.

43. (PREVIOUSLY PRESENTED) A method of producing a tomato plant which produces fruits whose pulp or juice exhibits improved viscosity, comprising transforming the tomato plant of claim 2 with a transgene that confers improved viscosity to the pulp or juice of tomato fruits.

44. (PREVIOUSLY PRESENTED) A tomato plant which produces fruits whose pulp or juice has improved viscosity, said plant produced by the method of claim 43.

45. (PREVIOUSLY PRESENTED) A method of producing a tomato plant with improved

ripening control, comprising transforming the tomato plant of claim 2 with a transgene that confers improved ripening control.

46. (PREVIOUSLY PRESENTED) A tomato plant with improved ripening control produced by the method of claim 45.

47. (PREVIOUSLY PRESENTED) A method of producing a tomato plant with improved flooding tolerance, comprising transforming the tomato plant of claim 2 with a transgene that confers improved flooding tolerance.

48. (PREVIOUSLY PRESENTED) A tomato plant with improved flooding tolerance produced by the method of claim 47.

49 - 52. (CANCELED)

53. (NEW) A method of introducing a desired trait into tomato line 294 comprising:

a) crossing the tomato line 294 plants grown from the tomato line 294 seed, representative seed of which has been deposited under NCIMB No. _____ with plants of another tomato line that comprise a desired trait to produce F1 progeny plants, wherein the desired trait is selected from the group consisting of herbicide resistance, insect resistance, resistance to bacterial disease, resistance to fungal disease, resistance to viral disease, male sterility, improved pulp quality, improved juice quality, improved ripening control and improved flooding tolerance,

b) selecting F1 progeny plants that have the desired trait to produce selected F1 progeny plants;

c) crossing the selected F1 progeny plants with the tomato line 294 plants to produce backcross progeny plants;

d) selecting for backcross progeny plants that have the desired trait and physiological and morphological characteristics of tomato line 294 listed in the Variety Description Information to produce selected backcross progeny plants; and

e) repeating steps (c) and (d) one or more times in succession to produce selected second or higher backcross progeny plants that comprise the desired trait and the physiological and morphological characteristics of tomato line 294 listed in the

Variety Description Information as determined at a 5% significance level when grown in the same environmental conditions.

54. (NEW) A tomato plant produced by the method of claim 53, wherein the plant has the desired trait and the physiological and morphological characteristics of tomato line 294 listed in the Variety Description Information as determined at a 5% significance level when grown in the same environmental conditions.

55. (NEW) A hybrid tomato seed designated 294*01D3144 having inbred line 294 as a parental line, representative seed of said hybrid having been deposited under NCIMB No. _____.

56. (NEW) A hybrid tomato plant produced by growing the hybrid tomato seed of claim 55.